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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | DOCKET NO: 007352 USA/ETCH/DRIE/JB | | APPLICATION NO.: 10/615,159 | |
| INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION | | APPLICANT: Frum et al. | | | |
| | | FILING DATE: 7/7/2003 | | GROUP ART UNIT 1763: | |

| U.S. PATENT DOCUMENTS | | | | | | | | | | | | |
|-----------------------|-----------------|---|---|---|---|---|---|------------|---------------------|-------|---------------|-------------------------------|
| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
| gag | 4 | 8 | 6 | 1 | 4 | 1 | 9 | 08/29/1989 | Flinchbaugh, et al. | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | |
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| EXAMINER <u>George Goudreau</u> | DATE CONSIDERED <u>5-041</u> |
| <small>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> | |

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| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE | | | | | | | |
| GAG | 4 | 4 | 5 | 4 | 0 | 0 | 1 | 06/12/1984 | Sternheim, et al. | | | | | | | | | | |
| | 4 | 6 | 1 | 1 | 9 | 1 | 9 | 09/16/1986 | Brooks, Jr., et al. | | | | | | | | | | |
| | 4 | 6 | 1 | 8 | 2 | 6 | 2 | 10/21/1986 | Maydan, et al. | | | | | | | | | | |
| | 4 | 8 | 3 | 8 | 6 | 9 | 4 | 06/13/1989 | Betz, et al. | | | | | | | | | | |
| | 4 | 9 | 2 | 7 | 4 | 8 | 5 | 05/22/1990 | Cheng, et al. | | | | | | | | | | |
| | 4 | 9 | 5 | 3 | 9 | 8 | 2 | 09/04/1990 | Ebbing, et al. | | | | | | | | | | |
| | 4 | 9 | 7 | 2 | 0 | 7 | 2 | 11/20/1990 | Hauser, et al. | | | | | | | | | | |
| | 5 | 1 | 3 | 1 | 7 | 5 | 2 | 07/21/1992 | Yu, et al. | | | | | | | | | | |
| GAG | 5 | 1 | 5 | 1 | 5 | 8 | 4 | 09/29/1992 | Ebbing ,et al. | | | | | | | | | | |
| | 5 | 3 | 6 | 2 | 3 | 5 | 6 | 11/08/1994 | Schoenborn | | | | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION | | | | | | |
| | | | | | | | | | | | | YES | NO | | | | | | |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | | | | | | | | | | | | | |
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
IN AN APPLICATION

DOCKET NO: 007352 USA/ETCH/DRIE/JB

APPLICATION NO.:
10/615,159

APPLICANT: Frum et al.

FILING DATE: 7/7/2003

GROUP ART UNIT:
1763


U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---|---|---|---|---|---|------------|---------------------|-------|---------------|-------------------------------|
| gag | 3 | 6 | 1 | 2 | 6 | 9 | 2 | 10/12/1971 | Kruppa, et al. | | | |
| | 3 | 8 | 2 | 4 | 0 | 1 | 7 | 04/01/1975 | Galyon | | | |
| | 3 | 8 | 7 | 4 | 7 | 9 | 7 | 04/01/1975 | Kasai | | | |
| | 3 | 9 | 8 | 5 | 4 | 4 | 7 | 10/12/1976 | Kruppa, et al. | | | |
| | 4 | 1 | 4 | 1 | 7 | 8 | 0 | 02/27/1979 | Kleinknecht, et al. | | | |
| | 4 | 1 | 9 | 8 | 2 | 6 | 1 | 04/15/1980 | Busta, et al. | | | |
| | 4 | 2 | 0 | 8 | 2 | 4 | 0 | 06/17/1980 | Latos | | | |
| | 4 | 3 | 1 | 7 | 6 | 9 | 8 | 03/02/1982 | Christol, et al. | | | |
| gag | 4 | 3 | 2 | 8 | 0 | 6 | 8 | 05/04/1982 | Curtis | | | |
| | 4 | 3 | 6 | 7 | 0 | 4 | 4 | 01/04/1983 | Booth, Jr, et al | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSACTION* | |
|-----|-----------------|---|---|---|---|---|---|------------|----------------|-------|---------------|--------------|--|
| gag | 0 | 5 | 1 | 1 | 4 | 4 | 8 | 11/4/1992 | EP Application | | | | |
| | 0 | 7 | 5 | 3 | 9 | 1 | 2 | 01/15/1997 | EP Application | | | | |
| | 2 | 2 | 9 | 3 | 7 | 9 | 5 | 04/10/1996 | Great Britain | | | | |
| gag | 0 | 7 | 0 | 9 | 8 | 7 | 7 | 05/01/1996 | EP Application | | | | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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|---|---|-----------------------|
|  | PCT International Search Report dated September 2, 1999 ✓ | |
| | European Search Report dated September 4, 2001, P.B. 5818- Patentlaan 2, 2280 HV Rijswijk (ZH), The Hague ✓ | |
| EXAMINER | George Gaudreau | DATE CONSIDERED 5-04/ |

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